


FORM PTO-1449 (REV.7-80)	 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 100086.402C1	APPLICATION NO. 09/778,026
INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		APPLICANTS Orest W. Blaschuk and Barbara J. Gour	
		FILING DATE February 5, 2001	GROUP ART UNIT Not Yet Assigned

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
LAC	BA	5,792,743	08/11/98	Schachner	514	2	

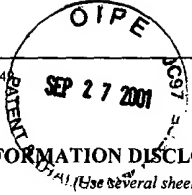
FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
Wfe	BB	WO 96/40781	12/19/96	WIPO		
LAC	BC	WO 97/07209	02/27/97	WIPO		
LAC	BD	WO 98/45319	10/15/98	WIPO		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

BE	Blaschuk et al., "Identification of a Conserved Region Common to Cadherins and Influenza Strain A-Hemagglutinins," <i>J. Mol. Biol.</i> 211: 679-682, 1990.
BF	Blaschuk et al., "Identification of a Cadherin Cell Adhesion Recognition Sequence," <i>Developmental Biology</i> 139: 227-229, 1990.
BG	Blaschuk et al., "E-Cadherin, estrogens and cancer: is there a connection?" <i>The Canadian Journal of Oncology</i> 4(4): 291-301, 1994.
BH	Blaschuk and Farookhi, "Estradiol Stimulates Cadherin Expression in Rat Granulosa Cells," <i>Developmental Biology</i> 136: 564-567, 1989.
BI	Bottenstein and Sato, "Growth of a rat neuroblastoma cell line in serum-free supplemented medium," <i>Proc. Natl. Acad. Sci. USA</i> 76(1): 514-517, 1979.
BJ	Brecknell et al., "Bridge grafts of Fibroblast Growth Factor-4-Secreting Schwannoma Cells Promote Functional Axonal Regeneration in the Nigrostriatal Pathway of the Adult Rat," <i>Neuroscience</i> 74(3): 775-784, 1996.
BK	Brockes et al., "Studies on Cultured Rat Schwann Cells. I. Establishment of Purified Populations from Cultures of Peripheral Nerve," <i>Brain Research</i> 165: 105-118, 1979.
BL	Brook et al., "Morphology and Migration of Cultured Schwann Cells Transplanted Into the Fimbria and Hippocampus in Adult Rats," <i>GLIA</i> 9: 292-304, 1993.
BM	Byers et al., "Fibroblast Growth Factor Receptors Contain a Conserved HAV Region Common to Cadherins and Influenza Strain A Hemagglutinins: A Role in Protein-Protein Interactions?," <i>Developmental Biology</i> 152: 411-414, 1992.

EXAMINER <i>Loi A. Clow</i>	DATE CONSIDERED 03-20-03
* EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).	

FORM PTO-144 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 100086.402C1	APPLICATION NO. 09/778,026
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U.S. PATENT DOCUMENTS

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CA						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
CB					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

CC	Cardarelli et al., "The Collagen Receptor $\alpha 2 \beta 1$, from MG-63 and HT1080 Cells, Interacts with a Cyclic RGD Peptide," <i>The Journal of Biological Chemistry</i> 267(32): 23159-23164, 1992.
CD	Carlstedt et al., "Nerve Fibre Regeneration Across the PNS-CNS Interface at the Root-Spinal Cord Junction," <i>Brain Research Bulletin</i> 22: 93-102, 1989.
CE	Cepek et al., "Expression of a candidate cadherin in T lymphocytes," <i>Proc. Natl. Acad. Sci. USA</i> 93: 6567-6571, 1996.
CF	Chuah et al., "Differentiation and survival of rat olfactory epithelial neurons in dissociated cell culture," <i>Developmental Brain Research</i> 60: 123-132, 1991.
CG	Craig et al., "Concept and Progress in the Development of RGD-Containing Peptide Pharmaceuticals," <i>Biopolymers (Peptide Science)</i> 37: 157-175, 1995.
CH	Doherty et al., "Neurite Outgrowth in Response to Transfected N-CAM and N-Cadherin Reveals Fundamental Differences in Neuronal Responsiveness to CAMS," <i>Neuron</i> 6: 247-258, 1991.
CI	Doherty and Walsh, "CAM-FGF Receptor Interactions: A Model for Axonal Growth," <i>Molecular and Cellular Neuroscience</i> 8(Article No. 0049): 99-111, 1996.
CJ	Doherty and Walsh, "Signal transduction events underlying neurite outgrowth stimulated by cell adhesion molecules," <i>Current Opinion in Neurobiology</i> 4: 49-55, 1994.
CK	Duncan et al., "Transplantation of oligodendrocytes and Schwann cells into the spinal cord of the myelin-deficient rat," <i>Journal of Neurocytology</i> 17: 351-360, 1988.
CL	Fok-Seang et al., "An analysis of astrocytic cell lines with different abilities to promote axon growth," <i>Brain Research</i> 689: 207-223, 1995.

EXAMINER <i>Eric Clow</i>	DATE CONSIDERED 05-20-03
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FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
					YES	NO	
	DB						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	DC	Fok-Seang et al., "Migration of Oligodendrocyte Precursors on Astrocytes and Meningeal Cells," <i>Developmental Biology</i> 171: 1-15, 1995.					
	DD	Franz, "Percutaneous Absorption. On The Relevance Of In-Vitro Data," <i>The Journal of Investigative Dermatology</i> 64(3): 190-195, 1975.					
	DE	Franz, "The Finite Dose Technique as a Valid in Vitro Model for the Study of Percutaneous Absorption in Man," <i>Curr. Probl. Dermatol.</i> 7: 58-68, 1978.					
	DF	Chirnikar and Eng, "Astrocyte-Schwann Cell Interactions in Culture," <i>GLIA</i> 11: 367-377, 1994.					
	DG	Gumbiner et al., "The Role of the Cell Adhesion Molecule Uvomorulin in the Formation and Maintenance of the Epithelial Junctional Complex," <i>The Journal of Cell Biology</i> 107: 1575-1587, 1988.					
	DH	Iruela-Arispe et al., "Expression of SPARC during Development of the Chicken Chorioallantoic Membrane: Evidence for Regulated Proteolysis In Vivo," <i>Molecular Biology of the Cell</i> 6: 327-343, 1995.					
	DI	Laird et al., "Gap Junction Turnover, Intracellular Trafficking, and Phosphorylation of Connexin43 in Brefeldin A-treated Rat Mammary Tumor Cells," <i>The Journal of Cell Biology</i> 131(5): 1193-1203, 1995.					
	DJ	Lee et al., "Expression of the Homotypic Adhesion Molecule E-Cadherin by Immature Murine Thymocytes and Thymic Epithelial Cells," <i>Journal of Immunology</i> 152: 5653-5659, 1994.					
	DK	Letourneau et al., "Interactions of Schwann Cells with Neurites and with Other Schwann Cells Involve the Calcium-dependent Adhesion Molecule, N-cadherin," <i>Journal of Neurobiology</i> 22(7): 707-720, 1991.					
EXAMINER <i>San A. Clon</i>				DATE CONSIDERED 03-20-07			
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FORM PTO-1449 (REV. 7-80)	SEP 27 2001 O I P E	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. 100086.402C1	APPLICATION NO. 09/778,026
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EA						

FOREIGN PATENT DOCUMENTS

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EB				

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

EC	Liuzzi and Lasek, "Astrocytes Block Axonal Regeneration in Mammals by Activating the Physiological Stop Pathway," <i>Science</i> 237: 642-645, 1987.
ED	Lutz et al., "Secondary Structure of the HAV Peptide Which Regulates Cadherin-Cadherin Interaction," <i>Journal of Biomolecular Structure & Dynamics</i> 13(3): 447-455, 1995.
EE	Matsuzaki et al., "cDNAs of Cell Adhesion Molecules of Different Specificity Induce Changes in Cell Shape and Border Formation in Cultured S180 Cells," <i>The Journal of Cell Biology</i> 110: 1239-1252, 1990.
EF	McCarthy and Vellis, "Preparation of Separate Astroglial and Oligodendroglial Cell Cultures from Rat Cerebral Tissue," <i>J. Cell Biology</i> 85: 890-902, 1980.
EG	Mege et al., "Construction of epithelioid sheets by transfection of mouse sarcoma cells with cDNAs for chicken cell adhesion molecules," <i>Proc. Natl. Acad. Sci. USA</i> 85: 7274-7278, 1988.
EH	Moran, "The Protein Delivery Service. Advances in technologies for delivering proteins and peptides in therapeutically useful forms," <i>Pharmaceutical Forum Issue</i> 6: 4-7, 1996.
EI	Munro et al., "Characterization of Cadherins Expressed by Murine Thymocytes," <i>Cellular Immunology</i> 169(Article No. 0123): 309-312, 1996.
EJ	Munro and Blaschuk, <i>Cell Adhesion and Invasion in Cancer Metastasis</i>, R.G. Landes Company, Austin, TX, 1996, Chapter 3, "The Structure, Function and Regulation of Cadherins," pp. 17-34.
EK	Newton et al., "N-Cadherin Mediates Sertoli Cell Spermatogenic Cell Adhesion," <i>Developmental Dynamics</i> 197: 1-13, 1993.
EL	Nose et al., "Localization of Specificity Determining Sites in Cadherin Cell Adhesion Molecules," <i>Cell</i> 61: 147-155, 1990.

EXAMINER <i>Don A. Lion</i>	DATE CONSIDERED 03-20-03
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SEP 27 2001

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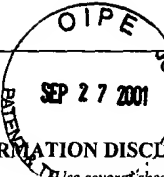
	DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
				YES	NO
FB					

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

FC	Orr, "Angiogenesis Research Offers New Approaches to Treatment of Disease," <i>Genetic Engineering News</i> , pp. 15-16, 42, May 1, 1996.
FD	Overduin et al., "Solution Structure of the Epithelial Cadherin Domain Responsible for Selective Cell Adhesion," <i>Science</i> 267: 386-389, 1995.
FE	Redies and Takeichi, "Cadherins in the Developing Central Nervous System: An Adhesive Code for Segmental and Functional Subdivisions," <i>Developmental Biology</i> 180: 413-423, 1996.
FF	Saffell et al., "Expression of a Dominant Negative FGF Receptor Inhibits Axonal Growth and FGF Receptor Phosphorylation Stimulated by CAMs," <i>Neuron</i> , pp. 231-242, February 1997.
FG	Samanen et al., "Development of a Small RGD Peptide Fibrinogen Receptor Antagonist with Potent Antiaggregatory Activity in Vitro," <i>J. Med. Chem.</i> 34(10): 3114-3125, 1991.
FH	Shapiro et al., "Structural basis of cell-cell adhesion by cadherins," <i>Nature</i> 374: 327-337, 1995.
FI	Tsutsui et al., "Expression of Cadherin-Catenin Complexes in Human Leukemia Cell Lines," <i>J. Biochem.</i> 120: 1034-1039, 1996.
FJ	Wickelgren, "Breaking the Skin Barrier," <i>PS</i> 12: 86-88, 1996.
EK	Willems et al., "Cadherin-dependent cell aggregation is affected by decapeptide derived from rat extracellular super-oxide dismutase," <i>FEBS Letters</i> 363: 289-292, 1995.
FL	Williams et al., "Activation of the FGF Receptor Underlies Neurite Outgrowth Stimulated by L1, N-CAM, and N-Cadherin," <i>Neuron</i> 13: 583-594, 1994.
FM	
FN	

EXAMINER <i>Lou A. Clow</i>	DATE CONSIDERED <i>03-20-03</i>
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LAC✓	AA	5,231,082	07/27/93	Schasteen	514	11	
LAC✓	AB	5,352,667	10/04/94	Lider et al.	514	19	
LAC✓	AC	5,510,628	04/23/96	Georger, Jr. et al.	257	32	
LAC✓	AD	5,585,351	12/17/96	Ranscht	514	12	
LAC✓	AE	5,591,432	01/07/97	Bronson et al.	424	130.1	
LAC✓	AF	5,646,250	07/08/97	Suzuki	530	350	
LAC✓	AG	5,665,590	09/09/97	Yang	435	6	

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		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AI	JP 6211898	08/02/94	Japan (Derwent Abstract Only AN. 94-283359)		
	AI	EP 406 428 B1	01/09/91	EPO		
LAC✓	AJ	WO 91/04745	04/18/91	WIPO		
LAC✓	AK	WO 92/08731	05/29/92	WIPO		
LAC✓	AL	WO 94/11401	05/26/94	WIPO		

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AM	Alexander et al., "An N-Cadherin-Like Protein Contributes to Solute Barrier Maintenance in Cultured Endothelium," <i>Journal of Cellular Physiology</i> 156: 610-618, 1993.
AN	Ali et al., "Conformationally Constrained Peptides and Semipeptides Derived from RGD as Potent Inhibitors of the Platelet Fibrinogen Receptor and Platelet Aggregation," <i>J. Med. Chem.</i> 37(6): 769-780, 1994.
AO	Berkow, R. (ed.), <i>The Merck Manual of Diagnosis and Therapy</i> , Merck, Sharpe & Dohme Research Laboratories, Rahway, New Jersey, 1992, pp. 1488-1489.
AP	Blakemore, "Remyelination of CNS axons by Schwann cells transplanted from the sciatic nerve," <i>Nature</i> 266: 68-69, 1977.

EXAMINER Jari A. Clow	DATE CONSIDERED 3-20-03
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